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Fire Software : Information and Downloads

BehavePlus

BehavePlus is a software application to predict wildland fire behavior for fire management purposes. It is designed for use by fire and land managers who are familiar with fuels, weather, topography, wildfire situations and the associated terminology.

FARSITE

Version 4 of the fire behavior and growth simulator used by Fire Behavior Analysts from the USDA FS, USDI NPS, USDI BLM, and USDI BIA, and taught at S493. It is designed for use by users familiar with fuels, weather, topography, wildfire situations and the associated terminology.

FlamMap

A Fire Behavior Mapping and Analysis program that computes potential fire behavior characteristics (ROS, flame length, etc.) over an entire FARSITE landscape for constant weather and fuel moisture conditions.

FireFamily Plus

The fire climatology and occurrence program that

combines and replaces the PCFIRDAT, PCSEASON, FIRES, and CLIMATOLOGY programs into a single package with a graphical user interface for the PC.

FOFEM

FOFEM (a First Order Fire Effects Model) is a computer program for predicting tree mortality, fuel consumption, smoke production, and soil heating caused by prescribed fire or wildfire.

fireLib

A C function library for predicting wildland fire behavior using the BEHAVE algorithms, fireLib is for programmers who need a highly optimized API for developing fire behavior growth simulators.

NEXUS

An Excel(tm) spreadsheet linking surface and crown fire prediction models, NEXUS is useful for evaluating alternative treatments for reducing crown fire risk and assessing the potential for crown fire activity.

Online Fire Systems

WFAS

WFAS, the Wildland Fire Assessment System, is an internet-based information system. The current implementation provides a national view of weather and fire potential, including national fire danger and weather maps and satellite-derived "Greenness"

maps.

FIREMON

FIREMON is an inventory and fire effects monitoring package that provides fire managers with sampling methods, data storage, and a data analysis package. Draft documentation is currently available on the FIREMON website. Projected release: June 2003.

FEIS

FEIS provides up-to-date information about fire effects on plants and animals. The FEIS database contains synoptic descriptions, taken from current English-language literature of almost 900 plant species, about 100 animal species, and 16 Kuchler plant communities found on the North American continent. The emphasis of each synopsis is fire and how it affects each species.

FMT Online

Fire Management Tools Online was created to: (1) provide users with a vehicle to gain information about fire management related applications and access to documentation, visuals/graphics and executable software, and (2) provide authors with a World Wide Web vehicle for technology transfer of fire management related applications. That idea is being embraced and extended by FRAMES.

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